

Appl. No.: 09/945,125
Amtd. Dated: January 19, 2004
Off. Act. Dated: July 18, 2003

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (canceled)

9. (currently amended): A sheet laminate material for drilling a printed circuit board, comprising:
a first metal sheet;
a second metal sheet; and
a fibrous core;
said fibrous core coupled to said first metal sheet with first adhesive layer;
said fibrous core coupled to said second metal sheet with second adhesive layer;
wherein said adhesive contains a particulate lubricant, said lubricant comprising polyethylene glycol having a molecular weight ranging from approximately 600 to approximately 4,000.

10. (currently amended): An entry A sheet laminate material as recited in claim 9, wherein said adhesive comprises epoxy resin.

Claims 11-14 (canceled)

15. (currently amended): An entry A sheet laminate material as recited in claim 12, wherein said lubricant comprises approximately 0.1% to approximately 10% by weight of polyethylene glycol homogeneously dispersed throughout the adhesive.

16. (canceled)

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Claims 17-40 (canceled)

41. (currently amended): A sheet laminate material for drilling a printed circuit board, comprising:

a first substrate layer;
a second substrate layer; and
a fibrous core;
said fibrous core coupled to said first substrate layer with a first adhesive layer;
said fibrous core coupled to said second substrate layer with a second adhesive layer;
wherein said adhesive contains a particulate lubricant, said lubricant comprising polyethylene glycol having a molecular weight from approximately 600 to approximately 4,000.

42. (new): A sheet laminate material as recited in claim 41, wherein said adhesive mixture contains approximately 0.1 percent to approximately 10 percent by weight of polyethylene glycol particulates.

43. (new): A sheet laminate material as recited in claim 42, wherein said adhesive mixture contains approximately 1 percent by weight of polyethylene glycol particulates.

44. (new): A sheet laminate material as recited in claim 41, wherein said first substrate layer and said second substrate layer comprises metal foil.

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45. (new): A sheet laminate material as recited in claim 44, wherein said metal foil layers have a thickness of between approximately 0.001 inches and approximately 0.003 inches.

46. (new): A sheet laminate material as recited in claim 41, wherein said fibrous core has a thickness of between approximately 0.002 inches to approximately 0.01 inches;

wherein said adhesive layers permeate through said fibrous core.

47. (new): A sheet laminate material as recited in claim 41, wherein said adhesive comprises epoxy resin.

48. (new): A sheet laminate material as recited in claim 9, wherein said metal foil layers have a thickness of between approximately 0.001 inches and approximately 0.003 inches.

49. (new): A sheet laminate material as recited in claim 9, wherein said fibrous core has a thickness of between approximately 0.002 inches to approximately 0.01 inches;

wherein said adhesive layers permeate through said fibrous core.

50. (new): A sheet laminate material as recited in claim 9, wherein said entry material is compressed to a thickness of between approximately 0.007 inches to approximately 0.016 inches.